

# APPLICATION FOR UNITED STATES PATENT DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Air-Conditioning Control Apparatus Using Heater

described and claimed in the specification:

## Check one

- \*a. ☒ attached hereto.  
b. ☐ filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ and amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed within one year prior to this application are hereby claimed:

Japanese Patent Application No.2002-293556 filed on October 7, 2002

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;  
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;  
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Registration No. 32,771 and  
Mario A. Costantino, Registration No. 33,565.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	<b>Typewritten Full Name of First or Sole Inventor</b>	<u>Masayoshi</u>	<u>SAKUMA</u>
		Given Name	Family Name
2	**Inventor's Signature:	<u>Masayoshi</u>	<u>SAKUMA</u>
3	**Date of Signature:	<u>September</u>	<u>2, 2003</u>
		Month	Day
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u>
		City	State or Province
	Citizenship:	<u>Japanese</u>	<u>Country</u>
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd., 1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>	

\*If Box (a.) is checked, this form may be executed only when attached to the specification (including claims).

\*\*Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

**PAGE 2 OF U.S.A. DECLARATION FORM**  
(Discard this page in a sole inventor application)

1	<b>Typewritten Full Name of 2nd Joint Inventor (if any)</b>	<u>Ryuusuke</u>	<u>GOTOUDA</u>
		Given Name	Family Name
2	**Inventor's Signature:	<u>Ryuusuke</u> <u>GOTOUDA</u>	
3	**Date of Signature:	<u>September</u>	<u>2,</u> <u>2003</u>
		Month	Day Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u> <u>Japan</u>
		City	State or Province Country
	Citizenship:	<u>Japanese</u>	
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>	
1	<b>Typewritten Full Name of 3rd Joint Inventor (if any)</b>	<u>Kouji</u>	<u>WATANABE</u>
		Given Name	Family Name
2	**Inventor's Signature:	<u>Kouji</u> <u>WATANABE</u>	
3	**Date of Signature:	<u>September</u>	<u>2,</u> <u>2003</u>
		Month	Day Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u> <u>Japan</u>
		City	State or Province Country
	Citizenship:	<u>Japanese</u>	
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>	
1	<b>Typewritten Full Name of 4th Joint Inventor (if any)</b>	<u>Minoru</u>	<u>TAKAHASHI</u>
		Given Name	Family Name
2	**Inventor's Signature:	<u>Minoru</u> <u>TAKAHASHI</u>	
3	**Date of Signature:	<u>September</u>	<u>2,</u> <u>2003</u>
		Month	Day Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u> <u>Japan</u>
		City	State or Province Country
	Citizenship:	<u>Japanese</u>	
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>	
1	<b>Typewritten Full Name of 5th Joint Inventor (if any)</b>	<u>Hidenao</u>	<u>KAWAI</u>
		Given Name	Family Name
2	**Inventor's Signature:	<u>Hidenao</u> <u>KAWAI</u>	
3	**Date of Signature:	<u>September</u>	<u>2,</u> <u>2003</u>
		Month	Day Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u> <u>Japan</u>
		City	State or Province Country
	Citizenship:	<u>Japanese</u>	
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>	

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.  
This form may be executed only when attached to the first page of the application.

**PAGE 3 OF U.S.A. DECLARATION FORM**  
(Discard this page in a sole inventor application)

1	<b>Typewritten Full Name of 6th Joint Inventor (if any)</b>	<u>Toshio</u>		<u>ONODERA</u>
		Given Name	Middle Initial	Family Name
2	**Inventor's Signature:	<u>Toshio</u>		
3	**Date of Signature:	<u>September</u>	<u>2,</u>	<u>2003</u>
		Month	Day	Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u>	<u>Japan</u>
		City	State or Province	Country
	Citizenship:	<u>Japanese</u>		
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>		
1	<b>Typewritten Full Name of 7th Joint Inventor (if any)</b>	<u>Katsuhiro</u>		<u>JOUKOU</u>
		Given Name	Middle Initial	Family Name
2	**Inventor's Signature:	<u>Katsuhiro</u>		
3	**Date of Signature:	<u>September</u>	<u>2,</u>	<u>2003</u>
		Month	Day	Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u>	<u>Japan</u>
		City	State or Province	Country
	Citizenship:	<u>Japanese</u>		
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>		
1	<b>Typewritten Full Name of 8th Joint Inventor (if any)</b>	<u>Yoshihiro</u>		<u>KIMOTO</u>
		Given Name	Middle Initial	Family Name
2	**Inventor's Signature:	<u>YOSHIHIRO</u>		
3	**Date of Signature:	<u>September</u>	<u>2,</u>	<u>2003</u>
		Month	Day	Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u>	<u>Japan</u>
		City	State or Province	Country
	Citizenship:	<u>Japanese</u>		
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>		
1	<b>Typewritten Full Name of 9th Joint Inventor (if any)</b>	<u>Yutaka</u>		<u>SHIMOKAWA</u>
		Given Name	Middle Initial	Family Name
2	**Inventor's Signature:	<u>Yutaka</u>		
3	**Date of Signature:	<u>September</u>	<u>2,</u>	<u>2003</u>
		Month	Day	Year
	Residence:	<u>Chiyoda-ku,</u>	<u>Tokyo,</u>	<u>Japan</u>
		City	State or Province	Country
	Citizenship:	<u>Japanese</u>		
	Post Office Address: (Insert complete mailing address, including country)	<u>c/o Hitachi Plant Engineering &amp; Construction Co., Ltd.,</u> <u>1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan</u>		

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.  
This form is to be signed by the inventor(s) and filed with the application.

**PAGE 4 OF U.S.A. DECLARATION FORM**  
(Discard this page in a sole inventor application)

1	<b>Typewritten Full Name of 10th Joint Inventor (if any)</b>	Makoto	TANAKA
		Given Name	Middle Initial
2	**Inventor's Signature:	Makoto	TANAKA
3	**Date of Signature:	September	2, 2003
		Month	Day
	Residence:	Chiyoda-ku, City	Tokyo, State or Province
			Year Japan Country
	Citizenship:	Japanese	
	Post Office Address: (Insert complete mailing address, including country)	c/o Hitachi Plant Engineering & Construction Co., Ltd., 1-14, Uchi-Kanda 1-chome, Chiyoda-ku, Tokyo, Japan	
1	<b>Typewritten Full Name of Joint Inventor (if any)</b>		
		Given Name	Middle Initial
2	**Inventor's Signature:		Family Name
3	**Date of Signature:		
		Month	Day
	Residence:		Year
		City	State or Province
			Country
	Citizenship:		
	Post Office Address: (Insert complete mailing address, including country)		
1	<b>Typewritten Full Name of Joint Inventor (if any)</b>		
		Given Name	Middle Initial
2	**Inventor's Signature:		Family Name
3	**Date of Signature:		
		Month	Day
	Residence:		Year
		City	State or Province
			Country
	Citizenship:		
	Post Office Address: (Insert complete mailing address, including country)		
1	<b>Typewritten Full Name of Joint Inventor (if any)</b>		
		Given Name	Middle Initial
2	**Inventor's Signature:		Family Name
3	**Date of Signature:		
		Month	Day
	Residence:		Year
		City	State or Province
			Country
	Citizenship:		
	Post Office Address: (Insert complete mailing address, including country)		

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.